

The Effect of Viscosity and Heat Conduction
on the Flow of a Gas Behind a Severely Curved
Shock Wave, by G. A. Lyubimov, 5 pp

RUSSIAN, per, Vestnik Moskivskogo Univer, Ser
Mat. Mekh, Astron, Fiz, Khim, No 5, 1958,
pp 33-35. 9664204

FED-TT-61-266

Sci - Phys

186, 639

5 Feb 62

Concerning the Approximate Calculation of an
Ephemeris in the Restricted Problem of Three Bodies,
by B. M. Shchigolev, 22 pp.

RUSCJAN, per, Vest Moskovskogo Univ, Ser Matemat,
Astronomi, Fiz, Khim, No 5, 1958, pp 37-48.
CIA 9046102

Rand Tr 119

Sci - Astronomy
Jan 60

107,553

Yarov-Yarovoi, M. S.
ON THE EXPANSION OF THE FORCING FUNCTION
OF THE NEWTONIAN ATTRACTION OF TWO
BODIES. [1962] 1 p. 3 refs.

Order from CTS or SLA 51.60

63-10376

Trans. of Moscow U. Vestnik. [Seriya Matematiki,
Mekhanika, Astronomiya, Fizika, Khimiya] (USSR) 1958
[v. 13] no. 5, p. 55-61.

DESCRIPTORS: *Celestial mechanics, *Inertia,
*Functions, *Euler's angles, Equations, Series,
Equations of motion.

(Astronomy--Astrophysics, IT, v. 9, no. 12)

63-10376

1. Title: Two-body
problem.

1. Yarov-Yarovoi, M. S.

Office of Technical Services

Theory of Chemisorption on Metals, by
V. L. Bonch-Bruyevich, V. E. Glasko.
RUSSIAN, per, Vestnik Moskovskogo Universiteta
Seriya Matematiki, Mekhaniki, Astronomiy, Fiziki
i Khimii, Vol 13, No 5, 1958, pp 91-101.
NASA TT F-11,086

Sci-Chem
Sept 67

341,965

Some Optical Investigations of a High-Powered
Pulsed Gas Discharge in Hydrogen, by P. S.
Kirsyev, A. A. Inzafovich, 8 pp.

RUSSIAN, per, Iz Vest. Mskoy Univ Ser Mat,
Mekh, Astron, Fiz i Khim, Vol XIII, No 5,
1958, pp 105-110.

AIC 70-230-2163

013-60-21765

Sci - Engr
May 61

150,362

Yarov-Yarovoi, M. S.
ON THE RECURRENT RELATIONS FOR THE COM-
PUTATION OF THE DERIVATIVES OF COMPOSITE
FUNCTIONS. [1962] pp. 3 refs.
Order from CTS or SLA \$1.10

63-10359

Trans. of Moscow U. Vestnik. [Seriya Matematiki,
Mekhanika, Astronomiya, Fiziki, Khimiya] (USSR) 1958
[v. 13] no. 6, p. 31-37.

DESCRIPTORS: *Partial differential equations,
*Functions, Integration, Polynomials, Equations.

(Mathematics, TT, v. 9, no. 12)

63-10359

1. Title: Composite
functions.

1. Yarov-Yarovoi, M. S.

Office of Technical Services

Yarov-Yarovoi, M. S.
ON THE INITIAL MEMBERS IN THE EXPANSION OF
THE FORCING FUNCTION OF THE ATTRACTION OF
TWO BODIES. [1962] Sp. 3 refs.
Order from OTS or SLA \$1.10

63-10374

Trans. of Moscow U. [Vestnik, Seriya Matematiki,
Mekhanika, Astronomiya, Fizika, Khimiya] (USSR) 1958
[v. 13] no. 6, p. 33-44.

DESCRIPTORS: *Celestial mechanics, *Inertia,
*Functions, Equations, *Series, Euler's angles,
Equations of motion.

(Astronomy--Astrophysics, TT, v. 9, no. 12)

63-10374

1. Title: Two-body
problem.

1. Yarov-Yarovoi, M. S.

Office of Technical Services

High Viscosity of Melted Zinc, Aluminum, Cadmium
and Antimony, by G. I. Goryaga, I. A. Nosyreva,
8 pp.

RUSSIAN, per, Vest Mosk Univ Ser Mat Mekh Astron
Fiz Khim, Vol XIII, No 6, 1958, pp 59-64.
9568352

FTD-TT-62-1697

Sci-Phys
Apr 63

229,448

Method of Investigating Automatic Control Systems
Containing Linear Elements With Variable Parameters,
by N. T. Kuzovkov, 14 pp.

RUSSIAN, per, Vest Moskov Univ, Ser Matemat Mekh,
Pis'ma, No 6, 1958, pp 105-109. 9093502

AE
U.K. Atomic Energy Authority
Risley, DE91 Inf Ser 262(CA)

Sci - Engr
1 Jul 62

NLL M. 6288
204, 685

Novoselova, A. V., Semenenko, K. N., and Turova,
N. Ya.

ORGANOBERYLLIUM COMPOUNDS. [1961] 9p.

Order from ATB \$15.75

ATB-08N53R

Trans. of Moscow U. Vestnik ² [Seriya Matematiki,
Mekhaniki, Astronomii, Fiziki, Khimii] ³ (USSR) 1958
[v. 13] no. 6, p. 139-147.

DESCRIPTORS: "Beryllium compounds, Metalorganic
compounds.

(Metallurgy--Light Metals, TT, v. 6, no. 6)

61-25046

I. Novoselova, A. V.
II. Semenenko, K. N.
III. Turova, N. Ya.
IV. ATB-08N53R
V. Associated Technical
Services, Inc.,
East Orange, N. J.

176712

Office of Technical Services

61-15098

Novoselova, A. V., Muratov, P. Sh. and others.
AN INVESTIGATION OF THE DISSOCIATION PRESSURE OF THE SODIUM FLUOBERYLLATE, Na_2BeF_4 .
[1960] 11p. 12 refs.
Order from LC or SLA m\$2.40, ph\$3.30 61-15098

Trans. of Moscow U. Vestnik. Seriya Matematiki, Mekhaniki, Astronomii, Fiziki, Khimii (USSR)
1958, v. 13, no. 6, p. 181-190.

The vapor pressure of beryllium fluoride was determined over the range 762 to 1103°C. The vapor pressure of liquid sodium fluoride was determined over the range 1073 to 1193°. The dissociation pressure of the sodium fluoberyllate Na_2BeF_4 was determined over the range 1009 to 1197°. The apparent partial pressure of sodium fluoride over the sodium fluoberyllate is markedly greater than the vapor pressure over pure sodium fluoride, because of the existence of complex molecules in the vapor phase. (Author)

(Chemistry--Physical, TT, v. 5, no. 3)

- I. Fluoberyllates--Vapor pressure
- I. Novoselova, A. V.
- II. Muratov, P. Sh.
- III. Translations, New York

142,981

Office of Technical Services

Graphic & Electron Study of the Structure of the
Molecules of Gaseous Halides of the Alkali Metals,
by P. A. Akishin, N. G. Rambidi, 17 pp.

RUSSIAN, per, Vestnik Moskov. U, Ser Mat, Mekh,
Astron, Fiz i Khim, No 6, 1958, pp 223-230.

AEC Tr-4096'

Sci - Phys
Aug 60

123,985

Mass-Spectrometric Analysis of Vapour Composition
by Means of a Double Effusion Chamber, by L. N.
Gorokhov.

RUSSIAN, per. Vestnik Moskovskogo Universiteta.
Seriya Matematiki, Mekhaniki, Astronomii, Fiziki.
Khimii. No 6, 1958, pp 231-233.
NLE RTS 3358

Sci-Chem
Nov 67

345.293

Magnetic Properties and Structure of Manganese-Boron Alloys, by N. Z. Miriasov, A. P. Parsanov, 9 pp.

RUSSIAN, per, Vest Mosk U, Ser Mat, Mekh, Astron, Fiz, Khim, No 1, 1959, pp 43-50.

Morris D Friedman
M-126

Sci - Chem
20 Oct 60

129,766

Determination of f_{eff} in the Ionosphere, by
V. D. Gusev, 4 pp.

RUSSIAN, part, Vest. Moscow U, Ser. Mate. Mekh. Astron.,
Fiz. Khim., Vol. XIV, No. 1, 1959, pp. 105-108.

WDF G-166

Sci

QPS, Vol. LIII, No. 7

133,093

Nov 60

On a Method of Measuring the Amplitude Modulation
of a Field Generator and Frequency Modulation
of a Field Generator by the Beat Frequency Method,
by S. M. Lavrov, 8 pp.

Radiofizika, part, Vsesoyuznaya Akademiya, Moscow
Mekh. Akad. Fiz. Khim., Vol. XIV, No. 1,
1970, pp. 109-116.

MDT 1.131
9092803

8/8
10/ 61

Sakharov, G. D.
MÉTHODE NOUVELLE POUR L'ÉTUDE DES
COMPOSÉS DE SURFACES [New Method of Investi-
gating Surface Compounds] tr. by Orbec. 19 Oct 60
[11] p. 13 refs. CEA Trans. no. R 1017 (text in
French).
Order from CTR or SLA \$1.60 61-15749

Trans. in French of Moscow U. Vestnik. Seriya
Mekhanika, Matematika, Astronomiya, Fizika, Khimiya
(USSR) 1959 [7. 14] no. 1, p. 145-150.

DESCRIPTORS: Catalysts, Catalysts, Surface prop-
erties, Chemical reactions.

(Chemistry--Physical, TT, v. 6, no. 7)

61-15749

- I. Sakharov, G. D.
- II. CEA-tr-R1017
- III. Commissariat à
l'Énergie Atomique
(France)

Office of Technical Services

Evseer, A. M. and Pozharskaya, G. V.
DETERMINATION OF HEAT OF VAPORIZATION OF
MANGANESE. [1961] [7]p. 3 refs.
Order from OTS or SLA \$1.10 61-28233

Trans. of Moscow U. yestnik. [Seriya Matematiki,
Mekhanika, Astronomii, Fizika, Khimii] (USSR) 1959,
v. 14, no. 1, p. 165-169.

DESCRIPTORS: *Manganese, Metals. *Vaporization,
Thermochemistry, Vapor pressure.

The heat of vaporization at 298°K was determined to be
 70.0 ± 0.2 kcal/mole.

(Chemistry--Physical, TI, v. 7, no. 2)

61-28233

I. Evseer, A. M.
II. Pozharskaya, G. V.

Office of Technical Services

Complex Compounds of Beryllium With *B*-Diketones,
by E. S. Przheval'skiy, L. M. Moiseyeva, 10 pp.

RUSSIAN, per, Vestnik Moskov Univ, Ser Mat, Mekhan,
Astron, Fiz i Khim, Vol XIV, No 1, 1959,
pp 203-210.

AEC AIRE/Trans/10

Sci - Chem
Apr 61

149,031

On the Stability of Computational Processes
Arising in the Solution of the Cauchy Problem for
the Equation $dy/dx = F(x, y)$, by Multipoint
Difference Methods, by A. D. Gorbunov, B. M.
Budan, 10 pp.

RUSSIAN, per, Vestnik, Moscow Univ, MMAFKH,
Ser, No 2, 1959, pp 15-23.

MDF G-178
9092767

171, 527

Oct
Oct 61

Remnev, Yu. I.
SYMMETRICAL DEFORMATION OF A SPHERE WITH
VOLUME EXPANSION, tr. by George N. Kasachkoff
and Donald C. Rich. 3 Apr 62 [11]p. 7 refs. AMC
(Redstone) Trans. ar-16-62.
Order from OTS or SLA \$1.60 62-23919

Trans. of [Moscow U. Vestnik. Seriya Matematiki,
Mekhanika i Astronomiya. Fiziki, Khimiya] (USSR) 1959
[v. 14] no. 2, p. 43-47.

DESCRIPTORS: *Deformation, *Spheres, *Elasticity,
*Plasticity, Numerical analysis.

(Mechanics, TT, 10, no. 4)

62-23919

- I. Remnev, Yu. I.
- II. AMC (Redstone)
Trans-16-62
- III. Army Missile Command,
Redstone Arsenal, Ala.

Office of Technical Services

Grushinski, N. P. and Sazhina, N. B.
THE QUESTION ON THE DETERMINATION OF THE
ABSOLUTE VALUE OF THE GRAVITY. [1962] [13]p.
12 refs.

Order from OTS or SLA \$1.60

63-10143

Trans. of Moscow U. Vestnik, [Seriya Matematiki,
Mekhanika, Astronomii, Fiziki, Khimii] (USSR) 1959
[v. 14] no. 2, p. 61-68.

DESCRIPTORS: *Gravity, Acceleration, *Gravimeters,
Determination.

A short survey of gravimetric methods is presented.
The question is "Which method is best?"

(Earth Sciences--Geodesy, TT. v. 9, no. 11)

63-10143

I. Title: Free falling
method

I. Grushinski, N. P.
II. Sazhina, N. B.

Office of Technical Services

Algebraic Method of Analyzing Multiterminal
Contact-Rectifier Networks, by V. N. Grebenshchikov,
10 pp.

RUSSIAN, per, Vestnik, Moscow Univ., MAFKh. Ser., V
Vol XIV, No 2, 1959, pp 69-78.

MDP - G-170
FID X-4493

Sci - Electronics

Nov 60

131,831

On the Influence of Resonance Properties
of a Plasma on Electro-Acoustic Wave Propaga-
tion, by V. N. Tsytovich, 8 pp.

RUSSIAN, per, Vestn Mosk. Univ, Matemat, Mekh,
Astron, Fiz, Knizh Ser, Vol XIV, No 2,
1959, pp 133-141.

MBF T-139
9-93173

173, 296

Sci
Rev 6L

Eventova, M. S. and Yavich, L. A.
OXIDATION OF INDIVIDUAL HYDROCARBONS:
OXIDATION OF CIS AND TRANS-DECALIN. [1961] 6p.
Order from ATS \$10.30 ATS-32N58R

Trans. of Moscow U. Vestnik, Ser[iya] Mat[ematiki]
Mekhan[ika] Astron[omiya] Fiz[ika] Khim[ika] (USSR)
1959, v. 14, no. 2, p. 149-155.

DESCRIPTORS: Oxidation, *Hydrocarbons,
*Naphthalenes, Isomeric transitions.

(Chemistry--Organic, TT, v. 7, no. 9)

62-12569

- I. Title: Decalin
- I. Eventova, M. S.
- II. Yavich, L. A.
- III. Title: Oxidation of cis. . .
- IV. ATS-32N58R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Corrosion of Indium by Ion-Exchange Membranes
From Solutions Containing Hydrohalic Acids
by L. P. Gairtseva, L. P. Alimova,
L. I. Nikolayeva, 7 pp.

RUSSIAN, PER, VESTNIK MOSKOV. UNIV, MATEMAT.
MEKH. MEKH. FIZ. KHIM., No 2, 1959,
pp 187-189-197.

REF T-146
9093477

173, 293

Sci
Rev. G.

Reznitskii, L. A. and Korniyakov, K. G.
THE DETERMINATION OF THE LATENT HEATS
OF FUSION OF $\text{Na}_2\text{S}_2\text{O}_7$ AND NaHSO_4 DERIVED
FROM THE HEATING CURVES OBTAINED UNDER
ADIABATIC CONDITIONS. [1961] [5]p. 11 refs.
Order from OTS or SLA \$1.10 61-27989

Trans. of Moscow U. Vestnik. Seriya Matematiki,
Mekhaniki, Astronomii, Fiziki, Khimii (USSR) 1959,
v. 14, no. 2, p. 199-202.

DESCRIPTORS: *Sodium compounds, *Sulfates, *Heat
of fusion, Determination, *Calorimeters, Design.

The construction of a spherical calorimeter for the
determination of thermodynamic quantities using the
method of continuous heating under adiabatic conditions
is described. Values were calculated for the heat of
fusion of sodium bisulfate; $\Delta H = 2480$ cal/mol; the
(Physics--Thermodynamics, TT, v. 7, no. 7) (over)

61-27989

I. Reznitskii, L. A.
II. Korniyakov, K. G.
III. Translations, New York

Office of Technical Services

Complex Periodate Compounds of Rare Earth
Elements, by I. P. Alimarin, I. V. Puzdrenkova, 5

RUSSIAN, per, Vest Moskov Univ, Ser Mat i Mekh,
Astron Fiz i Khim, Vol XIV, No 2, 1959, pp 213-216

ABC-Tr-5703

Sci - Mat & Met

Jul 63

238,350

Yarov-Yarovoi, M. S.
ON THE EXPANSION OF THE FORCING FUNCTION
OF THE TWO-BODY-ATTRACTION WITH RESPECT
TO THE MOMENTS OF INERTIA FOR THE NON-
MAJOR AND NON-CENTRAL AXES OF INERTIA.
[1962] 10p. 4 refs.
Order from OTS or SLA \$1.10

63-10492

Trans. of Moscow Univ. [Seriya Matematiki,
Mekhanika, Astronomiya, Fizika, Khimiya] (USSR) 1959
[v. 14] no. 2, p. 55-62.

DESCRIPTORS: *Inertia, *Euler's angles, *Celestial
mechanics, Equations, Functional analysis, Series,
Equations of motion, *Functions.

(Astronomy--Astrophysics, TT, v. 9, no. 12)

63-10492

I. Yarov-Yarovoi, M. S.

Office of Technical Services

Temperature Dependence of the Paramagnetic
Susceptibility of Nickel-Magnesium and Nickel-
Manganese Ferrites, by V.I. Charchernikov.

RUSSIAN, per, Vest Moscow Univ, Mat Mekh Astron
Fiz, No. 3, 1959, pp 93-96. 9076185

MDP
C-122

Sci - Chem

17 May 1961

150,901

Electrical and Galvanomagnetic Properties of a
Nickel-Zinc Ferrite, by A. N. Gorgiaga, L.I. Koroleva.

RUSSIAN, per, Vest Moscow Univ Math Makh Astron.
Fiz, No. 3, 1959, pp 97-104. 9076187

MDF
G-181

Sci - Elec

17 May 61

150, 902

On the Thermodynamic Theory of Antiferromagnetic Transformation, by K. P. Belov, R. Z. Levitin,
6 pp.

RUSSIAN, per, Vestnik U Matemat, Mekh, Astron,
Fiz, Khim, No 3, 1959, pp 129-133.

MDF B-165
9092609

171,290

Sci

Oct 61

Kost, A. N., Nette, L. T., and Pomortseva, N. V.
EFFECT OF PHENOLS ON MICROORGANISMS
DESTROYING RUBBER. [1961] 14p. 19 refs.
Order from OTC or SLA \$1.60 61-20036

Trans. of Moscow U. (Vestnik Seriya Matematicheskaya
Mekhanika i Astronomiya Fiziki i Khimii) (USSR) 1959
v. 14, no. 3, p. 213-220.

DESCRIPTORS: *Rubber, Microorganisms, *Phenols.

Over 100 organic compounds, primarily phenols, were
subjected to detailed testing to determine their effect
on the growth of microorganisms which attack rubber
(11 test objects). Substances suitable as antiseptics
(o-cresol, 3,4-dinitrophenol, pentachlorophenol,
4-chloroquinoline, 8-oxyquinoline, and others), were
determined.

(Materials--Rubber, TT, v. 6, no. 12)

61-20036

I. Kost, A. N.
II. Nette, L. T.
III. Pomortseva, N. V.

1000000000

Office of Technical Services

Bakhvalov, N. S.
ON THE APPROXIMATE EVALUATION OF MULTI-
PLE INTEGRALS. [1960] 23p. 11 refs.
Order from MDP \$11.50

MDP B-168

Trans. of Moscow U. Vestnik. [Seriya] M[atematika]
M[ekhanika] A[stronomiya] P[rikladnaya] Khimii (USSR)
1959 (v. 14) no. 4, p. 3-18.

MDP B-168

904 206/120

143,090

(Mathematics, TI, v. 5, no. 1)

61-12071

1. Approximate computation--
Theory
2. Functions--Theory
3. Title: Multiple integrals
1. Bakhvalov, N. S.
- II. MDP B-168
- III. Friedman, Morris D.,
Inc., West Newton, Mass.

Office of Technical Services

Evaluation of Multiple Integrals by the Optimum
Coefficients Method, by N. M. Korobov, 9 pp.

RUSSIAN, per, Vest Moskov U Ser Mat, Mekh,
Astron, Fiz Khim, No 4, 1959, pp 19-25.

MDF K-227

9092842

143 010

Sci

Nov 51

(DC-4317)

Linearized Problem on the Propagation of a Strong
Explosion in a Nonhomogeneous Atmosphere, by V. P.
Karl'kov, 20 pp.

RUSSIAN, per, Vest Mosk U, Ser Matemat, Mekh,
Astron, Fiz, Khim, No 4, 1959, pp 27-39.

JPRS 6145

Sci - Phys

Oct 60

130,827

S-422/60

(nr-4296)

On the Theory of the Motion of a Pendulum on a Ship,
by V. I. Dantel'ev, 16 pp.

RUSSIAN, per, Vest. Moskov. U., Ser. Matemat. Mekh,
Astron. Fiz, No 4, 1959, pp 41-53.

JPRS 5009

Sci - Engr

Jul 60

119, 796

S-154/60

(NY-4241)

On the Mutual Potential of a Sphere and a Body
of Rotation, by G. N. Duboshin, 8 pp.

RUSSIAN, per, Vest Mosk U. Ser Matemat, Mekh
Astron, Fiz, Khim, No 4, 1959, pp 55-60.

JPRS 5186

Sci - Geophys

Aug 60

122,886

S-454/60

(NY-4271)

On the "Resolving Capacity" of Systems Measuring
the Horizontal Dimensions of Ionospheric
Heterogeneities, by V. D. Gusev, S. P. Mirkotan,
Yu. V. Berezin, M. P. Kiyanovskiy, 18 pp.

RUSSIAN, per, Vest Mosk U, Ser Matemat, Mekh
Astron, Fiz, Khim, No 4, 1959, pp 105-115.

JPRS 5187

Sci - Geophys
Aug 60

122,885

S-454/60

(NY-4271)

Instrumental Determinations of the Characteristics
of Turbulent Exchange in the Ocean, by N. A.
Panteleyev, 10 pp.

RUSSIAN, Ter, Vest Mosk U, Ser Matemat, Mekh, Astron.,
Fiz, Khim, No 4, 1959, pp 141-147.

JPRS 5188

Sci - Geophys

Aug 60

122,873

See Information Notation in Further Studies on
the Electromagnetic Process, by A. A. Ananyan,
4 pp.

RUSELIS, per, Vest. Mosk. Univ., Ser. Matem. Mekh. i
Fiz. i Khim. No 4, 1959, pp 149-151. 0002547

MDP A-423

Sol

Oct. 61

10/1, 10/14

- I. Bimpryryl, Yu. M.
- II. Oksidno-Terazimol
- III. Oksidno-Terazimol (monomerny i polimerny) (v zavisimosti ot usloviy)

Trans. S. Moscow U. Memor. [Seriya Matematika]
 Moscow, 1982, no. 7, p. 1124, Kazim: (USSR) 1982
 v. 14, no. 6, p. 1548-49.

DESCRIPTION: *Organic Syntheses, Electronic databases
*Encyclopedia, Chemical reactions, Reaction
 kinetics

The principal regulations are: (1) the rate of all the electrochemical parameters of discharge of the cell must be independent of the initial position of the electrode; (2) physicochemical and electrochemical parameters are described by the electrochemical theory of transistors. The (C) parameter is positive, $2T$, 0.1 , 0.05 , 0.01 , 0.001 .

Rabinovich, Yu. I.
THE BEHAVIOR ON INFINITY OF THE SOLUTIONS
TO SECOND ORDER LINEAR DIFFERENTIAL EQUA-
TIONS. [1962] [14]p.
Order from OTS or SLA \$1.60

63-10306

Trans. of Moscow U. Vestnik [Seriya Matematiki,
Mekhanika, Astronomiya, Fizika, Khimiya] (USSR) 1959
[v. 14] no. 3, p. 53-63.

DESCRIPTORS: *Differential equations, Inequalities,
Equations, Integral equations, *Transformations
(Mathematics), Integration.

(Mathematics, TT, v. 10, no. 1)

63-10306

I. Rabinovich, Yu. I..

Office of Technical Services

Certain Optical Investigations of a Strong Pulse
Discharge in Hydrogen, by P. S. Kireyev, A. A.
Yuzefovich.

RUSSIAN, per, Vest Moskov U, Ser Matemat, Mekh,
Astron, Fiz, Khim, No 5, 1959, p 105.

Navy 2282/T-163

Sci - Phys

Sep 59

96,203

Numerical Solution of the Dirichlet
Problem for Laplace's Equation, by
N. S. Bahvalov.
RUSSIAN, per, Vestn. Moskov, Univ.,
Ser. Mat., Mekhan., Astron., Fiz., Chim.,
No 5, 1959, pp 171-195.
*Dept of Navy APL/JHU J-1206

Sci/Math
Oct 68

Otmakhova, I. P.
FLOW OF RARIFIED GAS THROUGH A DIFFUSER
(CONFUSER) (Istekhenie Razrezhennogo Gaza Cherez
Diffuzor (Konfuzor)). [1962] [17]p. (foreign text in-
cluded) 4 refs.

Order from OTS or SLA \$1.60

62-14006

Trans. of Moscow U. Vestnik. [Seriya Matematiki,
Mekhaniki, Astronomii, Fiziki, Khimii] (USSR) 1959
[v. 14] no. 6, p. 51-57.

Another trans. is available in French from OTS or
SLA \$1.60 as 61-14590, CEA-tr-81125, 23 Nov 60
[16]p.

DESCRIPTORS: *Gas flow, *Diffusers

We shall consider the motion of a gas through a dif-
fuser (confuser) connecting two vessels. Since in the
region of free molecular flow molecular collisions are
(Mechanics: Aerodynamics, TT, v. 8, no. 8) (over)

62-14006

I. Otmakhova, I. P.

Office of Technical Services

16 040

OTMAKHOVA I. P.

Fr-1

Outflow of a rarefied gas through a diffusor
Ecoulement d'un gaz raréfié à travers un conduit divergent

Vestn. Moskovsk. Univ., Ser. Mat., Mekh., Astron., Fiz.
i Khim., 14, No. 6, 51-57 (1959)

R 1125. \$ 1.60, 61-19590 - French

E u r a t o m

Yarov, M. G.
ON THE EXPANSION OF THE FORCING FUNCTION
OF THE TWO-BODY-ATTRACTION UNDER CERTAIN
SUPPOSITIONS ON THE DISTRIBUTION OF THEIR
DENSITY. [1962] 3p. 2 refs.
Order from CTS in SLA \$1.10

63-10337

Trans. of Moscow U. Vestnik [Seriya Matematiki,
Mekhanika, Astronomiya, Fizika, Khimiya] (USSR) 1963,
14, no. 7, p. 55-57.

DESCRIPTORS: *Celestial mechanics, Functions,
Distribution, *Density, *Inertia, Euler's angles,
*Equation, Equations of motion.

Classification: Astrophysics, IAU, v. 13, no. 11

State of Technical Science

Concerning a Radio-Interference Method of
Measuring Small Intervals, of Time by Means
of Frequency Multiplication, by V. I.
Medvedev, 14 pp.

KHESLAN, per, Vestnik Moskovskogo U-Ser
Matematiki, Mekhaniki, Astronomii, Fiziki,
Khimii, No 6, 1959, pp 112-119. 9670073

FT/
ATTC MCL-782/1

Sci - Electron
3 Aug 61.

162,838

On the Energy Distribution of Recoiling Atoms
Following (n, γ) Reactions, by I. Zvara, 19 pp.

RUSSIAN, per, Vest Moskov U, Ser Mat, Mekh, Astron,
Fiz i Khim, Vol XIII, No 6, 1959, pp 127-138.

AEC Tr-4113

Sci - Phys
Sep 60

124,853

On the Velocity of the Propagation of Small
Disturbances and the Existence of Weak Shock
Waves in the Radiating Gas Taking into
Consideration the Pressure of Heat Radiation,
by Y. A. Prokof'yev.

RUSSIAN, per, Vestnik Moscow Universitet.

Seriya 1. Matematika, Mekhanika, No 1, 1960,

pp. 49-53.

FTN- T-65-254

Method of Transversal Approximation in Hypersonic
Aerodynamics, 2 pp.

RUSSIAN, per, Vest Moskov Univ Ser Matemat, Mekh,
Astron, Fiz, No 19(4), May 1962, pp 62-78.

AF 1521086363

Sci - Engr
15 Mar 63

Moscow University Herald Series I,
Mathematics and Mechanics, 111 pp.
RUSSIAN, bk, Vestnik Moskovskogo
Universiteta Nauchnyy Zhurnal Devyatnadtsatyy
god Izdaniya Seriya I, Matematika, Mekhanika,
Vykhodit odin raz v dva Mesyatsa, 1954,
pp 1-80.
FID MT 64-557

Sci-Math
Mar 67

320,7454

(FDD 25156)

The Scientific Council for the Economic Faculty
Discusses the Resolutions of the September Plenum
of the Central Committee of the Communist Party,
by E. Rudenko, R. Gumerov, 9 pp.

RUSSIAN, no per, Vest Moskov U Ser Obshch Nauk,
No 11, Moscow, Nov 1953, pp 152-154.

CIA/FDD/U-7204

USSR

Economic -

CIB 7L/Aug 55

27,743

(FDD 25157)

New Chairs of the Economic Faculty, by V. Glushkov,
4 pp.

RUSSIAN, no per, Vest Moskov U Ser Obshch Nauk,
No 11, Moscow, Nov 1953, pp 154, 155.

CIA/FDD/U-7203

USSR
Economic -
CIS 71/Aug 55

27,744

(FDD 26267)

Cybernetics - Pseudoscience of Machines, Animals,
Man and Society, by T. K. Gladkov, 20 pp.

RUSSIAN, qu per, Vest Moskov U. Ser. Obshch Nauk,
Vol X, No 1, Moscow, Jan 1955, pp 57-67.

CIA/FDD/U=7482

USSR

Sci - Medicine, neurophysiology

29,938

V
Case of Poisoning by so-called "oscillated roe", by
P. G. Bondareva, 10 pp.

RUSSIAN, ⁶⁵ ~~1st~~, Vestnik Obshchestvennoi Gigieny,
Sudebnoi i Prakticheskoi Meditsiny, 1898,
pp 325-329.

Sci Tr Center
RT-1306

Scientific - Biology

17,468

1. Brief Historical Survey of the Life of the White Russians Outside Boundaries of Russia;

2. List of Names of the Important Leaders of the Society of Russian Veterans of World War I, 51 pp.

UNCLASSIFIED

Obshchestvo Russkikh Veterankh Voiny
RUSSIAN, per. Vestnik, No 183, published by the Society of Russian Veterans of World War I, 26 May 1949, pp 2-24, 44-47. *copy*

G-2, GSUSA F-1501-A

USSR
Military - Biographic

Oct 53 CTS

7202

The Cause of Germany's Defeat in World War II,
19 pp. UNCLASSIFIED

RUSSIAN, per, Vestnik, No 194, publ by the Society
of Russian Veterans of World War I, Feb 1953.

G-2, GSUSA G-1501-H

EEur - Germany
Military - World War II, defeat.

Oct 53 CTS

6720

1. The Cause of Germany's Defeat in World War II,
2. The Hydrogen Bomb, 26 pp. UNCLASSIFIED

RUESTAW, per, VEstnik, No193, publ by the Society
of Russian Veterans of World War I, Dec 1952,
pp 16-23, 25, 32.

G-2, GSUSA G-1501-G

EEur - Germany
Military - World War II, hydrogen bomb

Oct 53 CTS

7197

The Cause of Germany's Defeat in World War II, 18 pp.
UNCLASSIFIED

RUSSIAN, per, Vestnik, No 192, publ by the Society of
Russian Veterans of World War I, Nov 1952, pp 12-16.

O-2, OSUSA G-1501-F

EEur - Germany
Military - World War II

Oct 53 CTS

9332

The Cause of Germany's Defeat in World War II,
26 pp. UNCLASSIFIED

RUSSIAN, per, Vestnik, No 191, publ by the Society
of Russian Veterans of World War I, Sep 1952,
pp 10-17.

G-2, CSUSA G-1501-E

EEur - Germany

Military - World War II

8491

Dec 53 CTS

The Cause of Germany's Defeat in World War II, 12 pp.
UNCLASSIFIED

RUSSIAN, per, Vestnik, No 190, publ-by the Society of
Russian Veterans of World War I, Jul 1952, pp 9-17.

G-2, CSURIA G-1501-D

EEur - Germany
Military - World War II

Oct 53 CTS

7198

The Cause of Germany's Defeat in World War II, 12 pp.
UNCLASSIFIED

*RUSSIAN, per, Vestnik, No 189, publ. by the Society of
Russian Veterans of World War I, May 1952, pp 9-15.*

G-2, CSUSA G-1501-C

EEur - Germany
Military - World War II

Oct 53 CTS

7199

The Use of the Atomic Bomb in Combat. 10 pp.

UNCLASSIFIED

125148 (Book 153) / 125148-153
RUSSIAN, per Vestnik, No 106, publ by the Society
of Russian Veterans of World War I, Dec 1951,
pp 10-16.

G-2, GSUSA G-1501-B

USSR

Military - Atomic bomb, combat

Oct 53 CTS

7203

Celandine (Chelidonium) with Cancer of the Eyelids and
Face, by V. Krafskiy, 11 pp. UNCLASSIFIED

RUSSIAN, per, Vestnik Oftal, Vol XIV, 1897, 1897,
pp 252-257.

NIG

OTS TT 60-19655 (5 pp)

17,541

Scientific - Medicine

Agency: HSW/Do. Radiological Health
P.O.No.

R-15460-D
23 Aug. 72

Title: Keratoplasty on a Leprous Eye

Author: N.I. Kuznetsov

Source: Sov. Vestnik of Ophthalmology #7, 1935; & #9, 1936

IN Language: Russian 3 R Articles, 14pp

Instructions: Please translate, type single space.
No paste-up, leave space, translate all captions

Keratoplasty With Cadaveric Cornea According to
Pilatov, by M. I. Averbakh, 2 pp.

RUSSIAN, per, Vestnik Oftalmologii, Vol X, No 3,
1937, pp 345-346.

Sci Trans Center RT-639

Scientific - Medicine
CIS/DEX

10,950

Therapeutic Homoplastic Grafts of Mucous
Membrane, Preserved at Cold Temperature, by V. P.
Filatov, 8 pp.

RUSSIAN, per. Vest Oftalmol, Vol. XII, 1938,
pp 307-310.

SLA TR R-1049

Sci

Jun 58

66,041

The Influence of Dark Objects in the Visual
Field on the Differentiation Sensitivity of the
Fovea, by A. T. Chuprakov, 13 PP.

RUSSIAN, per, Vest Oftalmolog. Vol XVII, No 5,
1940, pp 630-685.

Sci Mus Lib TT 22/0376
TT No 504

Sci - Medicine

OTS 68/May 55

23,595

Electrical Cataract, by I. S. Chepurina,
3 pp, UNCLASSIFIED

nd 1941
RUSSIAN, per, Vest Oftal, Vol XVIII, No 2,
1941, pp 202-203.

Sci Tr Center
RT-1342

MEDICINE
Scientific - ~~SECRET~~

Jan 55 CTS

20,530

Polyak, B. L.
A METHOD OF DETERMINING THE CONCENTRA-
TION OF FLUORESCIN IN THE AQUEOUS HU-
MOR OF THE EYE WITHOUT ITS REMOVAL
(BIOCOLORIMETRY) (Metod Opredeleniya Kontsentratsii Fluoresceina v Kamernoi Vlage Glaza Bez ee Izvlecheniya (Biokolorimetriya)). [1961] 4p. (2 figs. omitted).
Order from OTS or SLA \$1.10

62-15373

Trans. of Vestnik Oftal'mologii (USSR) 1955. v. 34,
no. 4, p. 21-22

DESCRIPTORS: *Ophthalmology, *Eye, *Body fluids,
*Fluorescent dyes, Colorimetry, *Colorimetric anal-
ysis, Medical equipment, Diagnosis.

(Biological Sciences--Medical Specialties. TT. v. 7,
no. 8)

62-15373

I. Polyak, B. L.

201560

Office of Technical Services

Intracellular Inclusions in Vernal Conjunctivitis,
by F. H. Ehrlich.

RUSSIAN, per, Vestnik Oftalmologiy, Vol XXXX
LXXII, No 2, Mar-Apr 1956, pp 9-11.
CIA 9033135

NIH

Sci - Med
Oct 58

74, 463

Prowazek's Bodies in Trachoma and Their Epidemiological
Significance, by F. F. Sysoyev, 13 pp.

RUSSIAN, per, Vest Oftalmol, Vol. LXIX, Mar/Apr 1956,
pp 3-9

OTS 62-15079
FDD/X-3479

Sci - Med
Apr 59

NIH 141

OTS 62-15079

BD-15/60

(DC-3889)

Professor V. N. Arkhangel'skiy, 2 pp.

RUSSIAN, par, Vestnik Oftalmologii, No 5, 1957,
pp 59, 60.

JPRS 3666

USSR

Biog

Aug 60

Hyaluronidase and Intra-ocular Pressure, by
V. N. Marichev, 12 pp.

RUSSIAN, per, Vestnik Oftalmologii, No 6,
1957, pp 23-28. 9077546

NIH 6-19-61

175, 959

Sci - Med

Dec 61

Agency: HHS/Div. of Radiological Health Lib.

P.O. No. EPA-PLD-94-73

R-15915-D

23 Jan. 73

Title: Leprosy fo the Eye

Author: N.N. Pavlov

Source: Vestnik Oftalmologii, Vol. 71, 1958 pp10-14

Language: Russian

Instructions: Type single space, no paste-up, leave space, translate all captions.

ASAP

(DC-3696)

A. A. Kolen, 2 pp.

RUSSIAN, per, Vest Oftalmol, No 1, 1959, pp 62-63.

JPRS 3846

USSR
Biog
Sep 60

18

(NY-4480)

Volga Conference on Glaucoma, by L. V. Rokitskaya,
13 pp.

RUSSIAN, per, Vest Oftal'mol, No 2, 1960, pp 56-59.

JPRS 5109

Sci - Med - Ophthalmology

Aug 60

121,831

18

(NY-4180)

Conference of the Problems Commission of the
Academy of Medical Sciences USSR on
Ophthalmology, by E. N. Vil'shanskiy, 6 pp.

RUSSIAN, per, Vest Oftal'mol, No 2, 1960,
pp 50, 60.

JPRS 5109

Sci - Med - Ophthalmology

Aug 60

121,832

(SF-1345).

N. M. Pavlov, 21000

RUSSIAN, per, Vest Otkal'mol, No 3, 1960, p. 56.

*JPRS 7111

USSR

Bic

22 Dec 60

(NY-7013)

Initial Symptoms and Classification of a
Cataract, by N. A. Vishnevskiy, V. M.
Abdullayeva, Ye. A. Ivanova, 7 pp.

RUSSIAN, per, Vest Oftalmol, No 5, 1961,
pp 65-67

JPRS 13369

Sci - Med

190,920

Apr 62

201-
Apr 62

(NY-7918)

Passow's Operation and Its Modification
(Sector Conjunctivotomy) in Chemical and
Thermal Burns of the Eye, by
R. L. Polyak, 9 pp.

RUSSIAN, per, Vestnik Oftal'mologii,
Vol LXXIV, No 6, 1961, pp 32-36.

JPRS 13499

Sci - Med

192,373

Apr 62

(NY-7016)

Effect of Radiant Energy on the Refracting
Media of the Eye and Problems of their
Protection, by G. G. Marbay, 12 pp.

RUSSIAN, per, Vestnik Oftal'mologii,
Vol LXXIV, No 6, 1961, pp 41-47.

JPRS 13499

Sci - Med

142,374

62

(NY-7018)

Riboflavin and Ascorbic Acid Content of
the Cornea Following Eye Burns, by
L. I. Elinova, L. M. Tsylin, A. I.
Sheynberg, 8 pp.

RUSSIAN, per, Vestnik Oftal'mologii,
Vol. LXXIV, No 6, 1961, pp 48-53.

JPRS 13499

192, 375

Sci Med

Ann 62

Maalova, I. P.
ELECTRONMICROSCOPIC INVESTIGATION OF THE
PALPEBRAL CONJUNCTIVAL EPITHELIUM IN
TRACHOMA (Izucheniye Epiteliya Kon'yunktivy Vek pri
Trakhoma s Pomoshch'yu Elektronogo Mikroakopa).
[1964] [23p] (foreign text included) 19refs FASEB
Ms no: S742-3.
Order from CTS, SLA, or ETC \$2.60 TT-64-15550
Trans. of Vestnik Oftal'mologii (USSR) 1963, v. 76,
no. 3, p. 17-22.

(Biological Sciences--Pathology, TT, v. 12, no. 3)

TT-64-15550

- I. Maalova, I. P.
- II. FASEB-S-742-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Adigezalova-Polchaeva, K. A.
DISTURBANCE OF THE ADAPTIVE FUNCTION OF
ACCOMMODATION IN VARIOUS FORMS OF
ASTIGMATISM (Naruseniye Prispoblivayemosti
Funktsii Akkomodatsii pri Razlichnykh Vidakh
Astigmatizma). [1964] [14p] 7 refs
FASEB Ms no.: S743-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-15549

Trans. of Vestnik Oftal'mologii (USSR) 1963, v. 76,
no. 3, p. 32-37.

(Biological Sciences--Pathology, TT, v. 12, no. 3)

TT-64-15549

- I. Adigezalova-Polchaeva,
K. A.
- II. FASEB-S-743-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Radzikhovskii, B. L.
NEW METHOD OF DETERMINING 24-HOUR
VARIATIONS IN INTRAOCULAR TENSION AND ITS
IMPORTANCE IN THE DIAGNOSIS OF GLAUCOMA
(Novaya Metodika (opredeleniya Sutochnykh Kolebanii
Vnutriglaznogo Davlenniya i Ee Znachenie v Diagnostike
Glaukomy). [1964] [10p] (foreign text included) Brefs
FASEB Ms no: S744-3.
Order from OTS, SLA, or ETC \$1.10 TT-64-15548

Trans. of Vestnik Oftal'mologii (USSR) 1963, v. 76,
no. 3, p. 57-63.

(Biological Sciences - Pathology, TT, v. 12, no. 3)

TT-64-15548

- I. Radzikhovskii, B. L.
- II. FASEB-S-744-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services